

ABSTRACT OF THE DISCLOSURE

A processing machine, in particular a processing center, with a spindle, a tool clamping device, a converter unit with a spindle motor, at least one oscillation sensor and a balancing apparatus is disclosed. The oscillation sensor(s) and the balancing device are connected for signal transmission with a control device of a converter unit. The control device includes a balancing program. The processing machine with this type of automatic balancing system requires less wiring and less space than conventional systems.